

## IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.- 80. (*Cancelled*).

81. (*Currently Amended*) A recording method comprising:

creating a first program chain and a second program chain each containing a plurality of video data cells containing video data;

creating a program chain information table that includes a first group of program chain information associated with said first program chain, a second group of program chain information associated with said second program chain, and search pointers corresponding to program chain numbers for searching the corresponding program chains, said first and said second group of program chain information each comprising:

- (1) first cell playback information specifying a playback order of said video data cells in an associated program chain;
- (2) content information defining contents of said associated program chain;  
and
- (3) program chain navigational control information comprising:
  - (a) previous program chain information indicative of whether there exists a program chain that precedes said associated program chain during reproduction of said program chains from said recording medium,
  - (b) a previous program chain number specifying said program chain preceding said associated program chain, when said program chain preceding said associated program chain exists,
  - (c) next program chain information indicative of whether there exists a program chain that follows said associated program chain during reproduction of said program chains from said recording medium, and

(d) a next program chain number specifying said program chain following said associated program chain, if said program chain following said associated program chain exists; and

recording the program chain information table in a first portion of a recording medium and recording said ~~first and said second program chains~~ video data in a second portion of said recording medium different from said first portion.

82. *(Previously Presented)* A recording method according to claim 81, wherein said creating a program chain information table includes providing, in said program chain information table, goto program chain information indicative of whether there exists a goto program chain that can be reproduced instead of continuing to reproduce said associated program chain; and a goto program chain number indicative of a number of said goto program chain, when said goto program chain exists.

83. *(Previously Presented)* A recording method according to claim 82, wherein said creating said program chain information table includes providing in each of said first and said second group of program chain information indicative of a duration of time needed to reproduce said associated program chain.

84. *(Previously Presented)* A recording method according to claim 82, wherein said creating said program chain information table includes providing in each of said first and said second group of program chain information indicative of a user operation that is prohibited during reproduction of said associated program chain.

85. *(Previously Presented)* A recording method according to claim 84, wherein said creating said program chain information table includes providing first search pointer information identifying a start address of said first group of program chain information and second search pointer information identifying a start address of said second group of program chain information.

86. *(Cancelled)*.

87. (*Previously Presented*) A recording method according to claim 81, wherein said creating said program chain information table includes providing information indicative of a number of video data cells in said associated program chain.

88.-100. (*Cancelled*).

101. (*Currently Amended*) A recording apparatus comprising:

means for creating a first program chain and a second program chain each containing a plurality of video data cells containing video data;

means for creating a program chain information table that includes a first group of program chain information associated with said first program chain, a second group of program chain information associated with said second program chain, and search pointers corresponding to program chain numbers for searching the corresponding program chains, said first and said second group of program chain information each comprising:

- (1) first cell playback information specifying a playback order of said video data cells in an associated program chain;
- (2) content information defining contents of said associated program chain;
- and
- (3) program chain navigational control information comprising:
  - (a) previous program chain information indicative of whether there exists a program chain that precedes said associated program chain during reproduction of said program chains from said recording medium,
  - (b) a previous program chain number indicative of a number of said program chain preceding said associated program chain, if said program chain preceding said associated program chain exists,
  - (c) next program chain information indicative of whether there exists a program chain that follows said associated program chain during reproduction of said program chains from said recording medium, and

(d) a next program chain number indicative of a number of said program chain following said associated program chain, when said program chain following said associated program chain exists; and

means for recording said program chain information table in a first portion of a recording medium and for recording said ~~first and said second program chains~~ video data in a second portion of said recording medium different from said first portion.

102. *(Previously Presented)* A recording apparatus according to claim 101, wherein said means for creating said program chain information table also provides said program chain navigational control information with the following:

goto program chain information indicative of whether there exists a goto program chain that can be reproduced instead of continuing to reproduce said associated program chain; and

a goto program chain number indicative of a number of said goto program chain, when said goto program chain exists.

103. *(Previously Presented)* A recording apparatus according to claim 102, wherein said means for creating said program chain information table also provides each of said first and said second group of program chain information with information indicative of a duration of time needed to reproduce said associated program chain.

104. *(Previously Presented)* A recording apparatus according to claim 102, wherein said means for creating said program chain information table also provides each of said first and said second group of program chain information with information indicative of a user operation that is prohibited during reproduction of said associated program chain.

105. *(Previously Presented)* A recording apparatus according to claim 104, wherein said means for creating said program chain information table also provides said program chain information table with first search pointer information identifying a start address of said first group of program chain information and second search pointer

information identifying a start address of said second group of program chain information.

106. (*Cancelled*).

107. (*Previously Presented*) A recording apparatus according to claim 101, wherein said means for creating said first and said second program chain information table also provides said first and said second group of program chain information with information indicative of a number of video data cells in said associated program chain.

108.-140. (*Cancelled*).